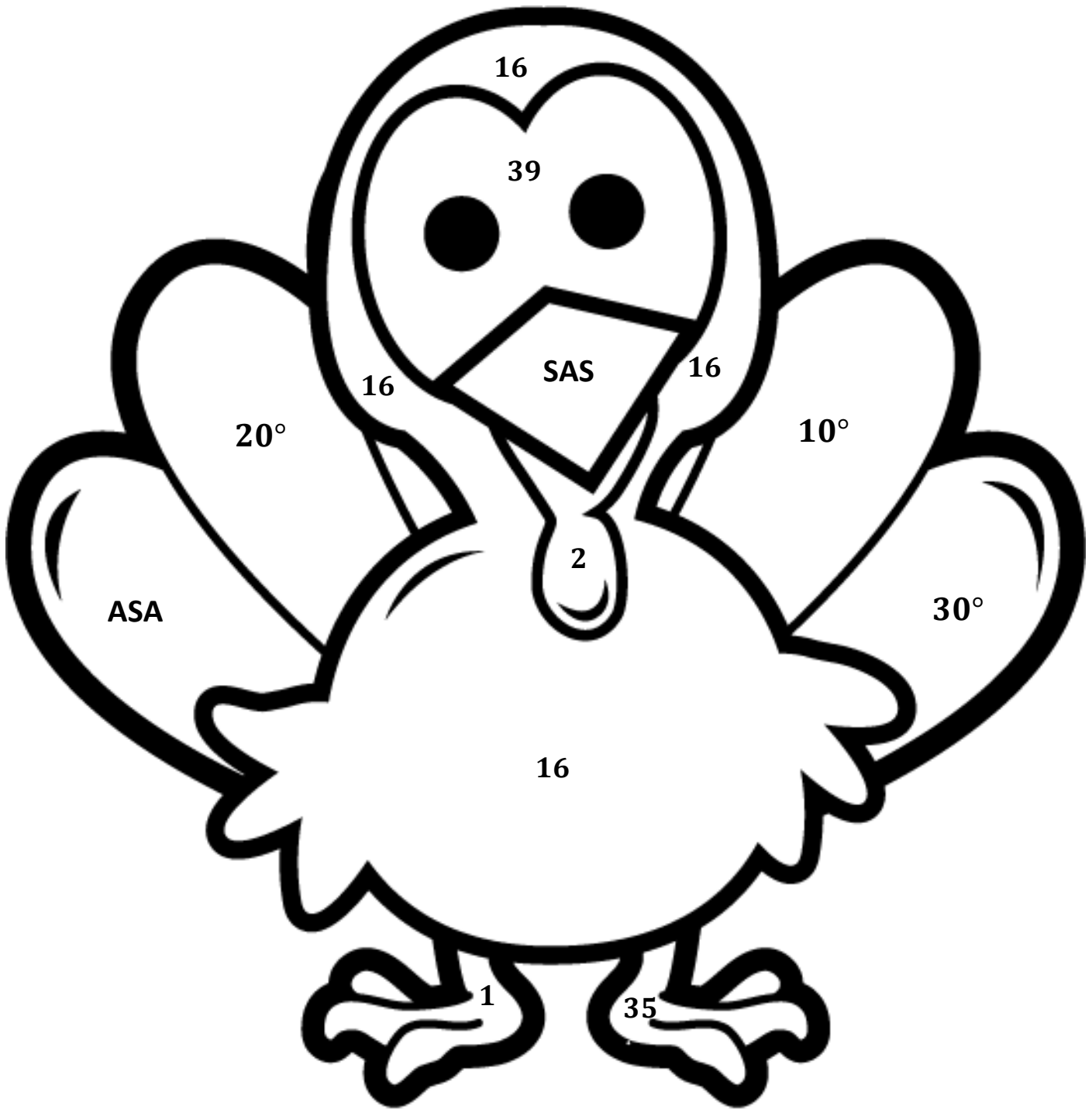


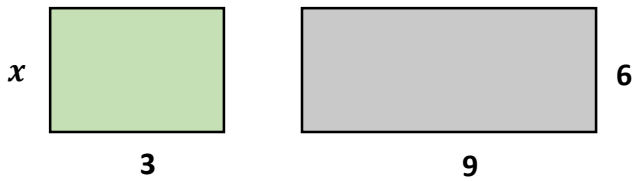
Name: _____ Period: _____ Date: _____

COLOR BY CODES CONGRUENT TRIANGLES

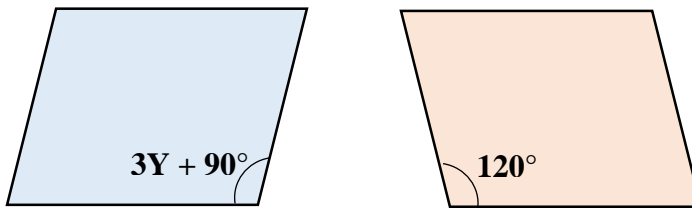


Answer the questions - find your answer on the Thanksgiving Turkey - color according to your answers.

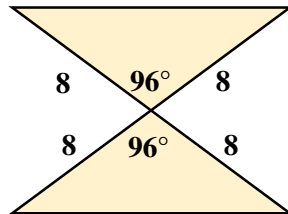
1. What will be the value of x if two figures are similar? (YELLOW)



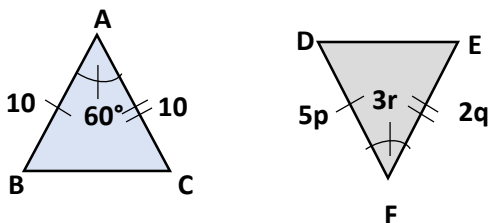
2. What will be the value of Y if both the figures are congruent? (RED)



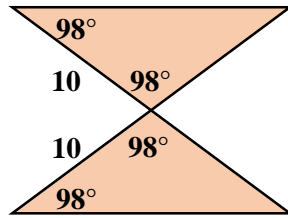
3. Which postulate can be used to show that the two triangles given below are congruent? (ORANGE)



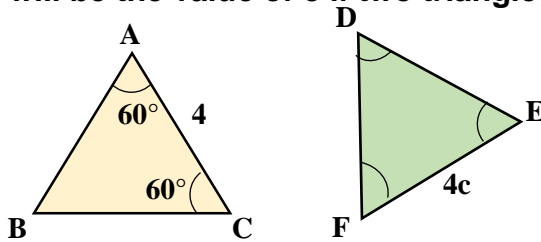
4. What will be the value of r if $\triangle ABC \cong \triangle DEF$? (RED)



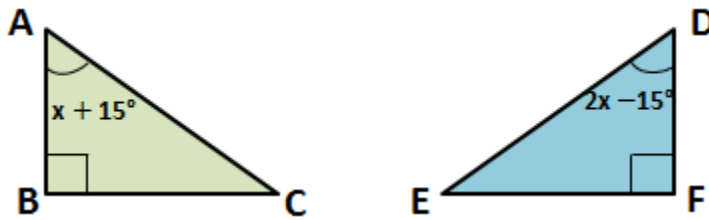
5. Which postulate can be used to show that the two triangles given below are congruent? (DARK PINK)



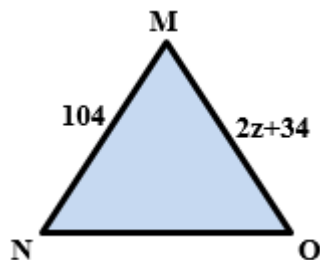
6. What will be the value of c if two triangles are congruent? (BROWN)



7. Find the value of x if two triangles are congruent. (DARK PINK)

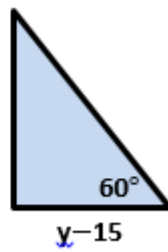
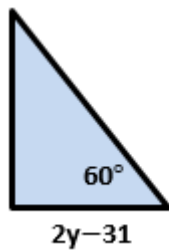


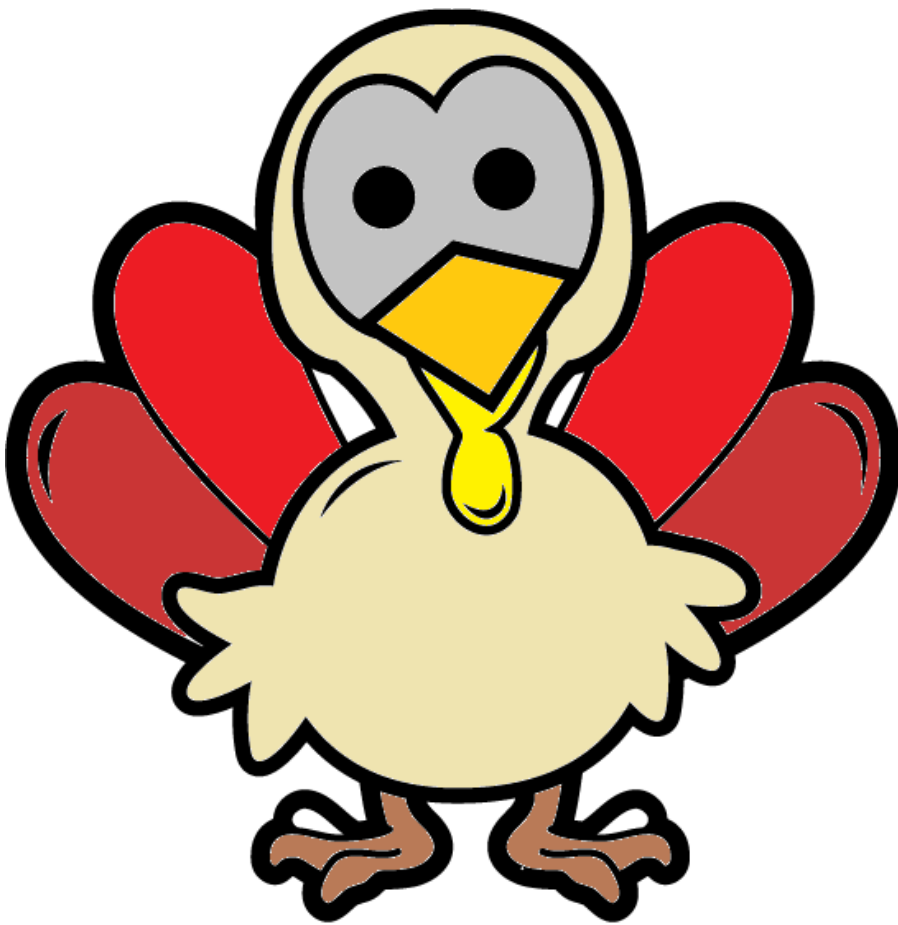
8. The $\triangle MNO$ given below is Equilateral, find z . (BROWN)



9. What will be the perimeter of the equilateral triangle having a side length of 13 cm? (GREY)

10. Find the value of y if the given right-triangles are congruent. (LIGHT YELLOW)





Answers:

1. $x = 2$
2. $Y = 10^\circ$
3. SAS
4. $r = 20^\circ$
5. ASA
6. $c = 1$
7. $x = 30^\circ$
8. $z = 35$
9. 39 cm
10. 16